

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A ~~valve assembly~~ valved male luer medical connector comprising:

a male luer ~~end~~ portion in a distal side of the connector, the male luer portion comprising interior and exterior surfaces and a bore extending between the interior and exterior surfaces,

a female luer end portion in a proximal side of the connector and a channel for the transfer of fluids between the male and female luer end portions,

a valve ~~means~~ member movable between a closed position and an open position, the valve member comprising a first proximal portion and a second portion distal from the first portion, the second portion being positioned at least partially within the male luer portion in the closed position and generally enclosing inside of the second portion a first generally longitudinal fluid pathway and a second generally transverse fluid pathway, the first and second fluid pathways being in fluid communication, the valve member further comprising a plug portion distal from the second portion, the plug portion being closed-ended in both the open and closed positions, and the plug portion being configured to engage the interior surface of the male luer portion to form a seal such that the closed end of the plug portion is generally flush with a distal end of the exterior surface of the male luer portion in the closed position,

a seal extending generally around a portion of the second portion of the valve member,

a biasing ~~means~~ member configured to bias ~~for biasing~~ the valve ~~means~~ member toward the closed position, at least a portion of the biasing member generally surrounding

at least a portion of the first proximal portion of the valve member, the biasing member being separate from the seal, and
an actuating means member extending distally into a region near the exterior surface of the male luer end portion in the closed position, the actuating member being and coupled to the valve means member, and the actuating member being configured to actuate the valve means member from the closed to the open position when a female luer end portion of a medical accessory is advanced into coupled with the male luer end portion distal side of the connector, wherein the actuating member, the first proximal portion of the valve member, and the second portion of the valve member are configured to be non-deformable upon contact with the female luer end portion of the medical accessory.

2. (Currently Amended) A ~~valve assembly~~ valved male luer medical connector as defined in claim 1 wherein the ~~male luer end portion has an inner projection and~~ distal side of the connector comprises an outer threaded sheath ~~which is spaced therefrom,~~ the actuating means member including ~~an actuating member~~ a portion positioned between the outer threaded sheath and the ~~inner projection~~ male luer portion.

3. - 5. (Cancelled)

6. (Currently Amended) A ~~valve assembly~~ valved male luer medical connector as defined in claim 3, ~~claim 4, or claim 5~~ 1 wherein the valve member is integrally formed with the female luer end portion.

7. (Currently Amended) A ~~valve assembly~~ valved male luer medical connector as defined in ~~any of claims 3-6~~ claim 6, further comprising a housing portion, wherein the valve

Application No.: 10/584,920
Filing Date: December 28, 2006

member includes an anchor flange extending outwardly toward an inner surface of the housing portion.

8. (Currently Amended) A ~~valve assembly~~ valved male luer medical connector as defined in claim 7, wherein the housing portion is coupled to the male luer ~~end~~ portion for movement therewith relative to the valve member.

9. (Currently Amended) A ~~valve assembly~~ valved male luer medical connector as defined in claim ~~7 or claim~~ 8 wherein the male luer ~~end~~ portion engages the anchor flange when the valve ~~means~~ member is in the closed position and the male luer ~~end~~ portion is spaced from said anchor flange when the valve ~~mean~~ member is in the open position.

10. (Currently Amended) A ~~valve assembly~~ valved male luer medical connector as defined in claim ~~7, claim 8, or claim~~ 9 wherein the housing portion terminates at an end region adjacent the female luer end portion, the biasing ~~means~~ member includes a compression spring located within the housing portion between the end region and the outer anchor flange.

11. - 30. (Cancelled)

31. (New) The valved male luer medical connector of claim 1, wherein the valve member further comprises a radially extending member forming a transition between the first and second portions of the valve member.

32. (New) The valved male luer medical connector of claim 1, wherein the biasing member is a compression spring.

33. (New) The valved male luer medical connector of claim 1, wherein the biasing member does not contact the actuating member or the second portion of the valve member.

34. (New) The valved male luer medical connector of claim 1, wherein the biasing member is contained entirely within an interior region of the connector.

35. (New) The valved male luer medical connector of claim 1, wherein the plug portion has a distal end that is narrower than any portion of the second portion of the valve member.

36. (New) The valved male luer medical connector of claim 35, wherein the distal end of the plug portion is narrower than any other portion of the valve member.

37. (New) The valved male luer connector of claim 1 wherein the seal is stationary when the valve member moves.

38. (New) The valved male luer connector of claim 1 wherein the plug is non-deformable in the open and closed positions.

39. (New) The valved male luer connector of claim 1 wherein the second generally transverse fluid channel consists of side openings on opposing sides of the valve member.

40. (New) The valved male luer connector of claim 1 further comprising an outer housing made of two discrete parts coupled together.

41. (New) The valved male luer connector of claim 1 further comprising a second seal positioned near the first proximal portion of the valve member.

Application No.: 10/584,920
Filing Date: December 28, 2006

42. (New) The valved male luer connector of claim 1 wherein the first proximal portion generally encloses a fluid channel positioned inside the first proximal portion.